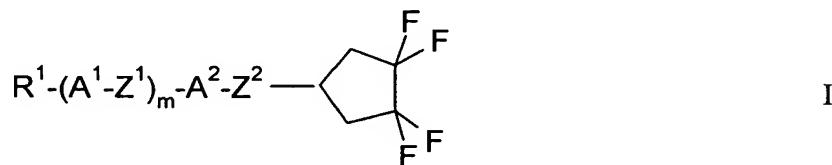


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) 3,3,4,4-Tetrafluorocyclopentane compounds of the formula I



in which

R^1 is H, or an alkyl radical having up to 15 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by $-\text{O}-$, $-\text{CH}=\text{CH}-$,  , $-\text{CO}-$, $-\text{CO-O}-$, $-\text{O-CO}-$ or $-\text{O-CO-O}-$ in such a way that O atoms are not linked directly to one another,

A^1 and A^2 are each, independently of one another,

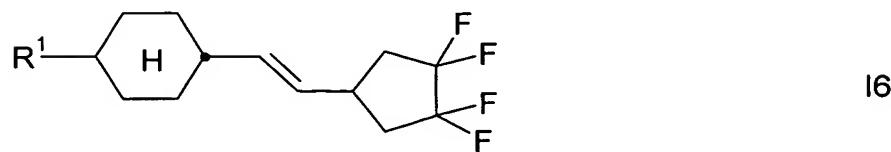
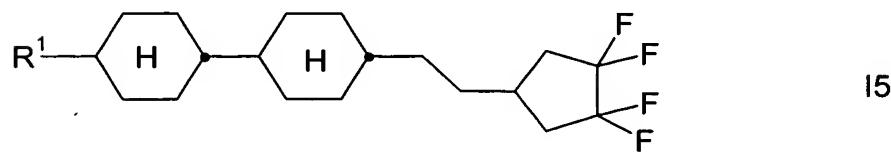
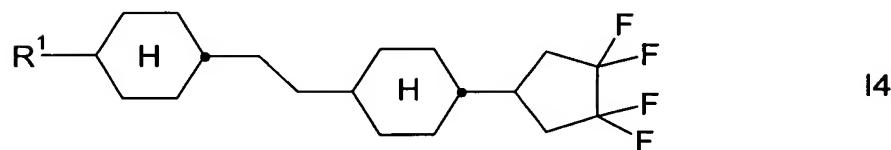
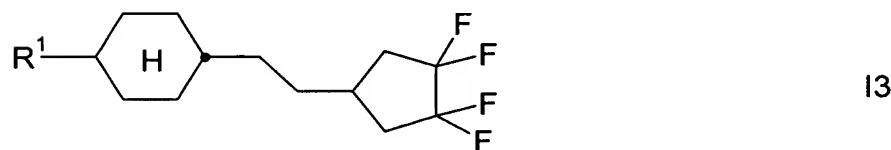
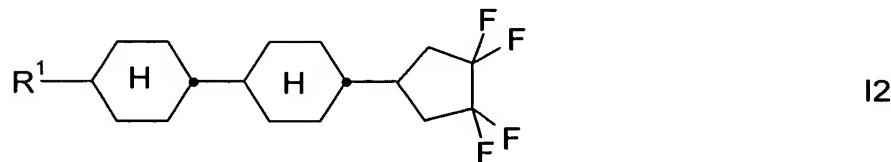
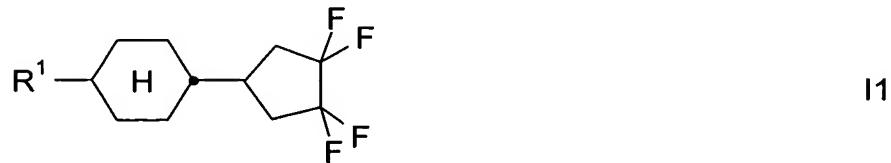
- (a) a trans-1,4-cyclohexylene radical, in which, in addition, one or more non-adjacent CH_2 groups may be replaced by $-\text{O-}$ and/or $-\text{S-}$,
- (b) a 1,4-phenylene radical, in which, in addition, one or two CH groups may be replaced by N,
- (c) 1,4-cyclohexenylene,
- (d) a radical from the group consisting of 1,4-bicyclo[2.2.2]octylene, piperidine-1,4-diyl, naphthalene-2,6-diyl, decahydronaphthalene-2,6-diyl and 1,2,3,4-tetrahydronaphthalene-2,6-diyl,

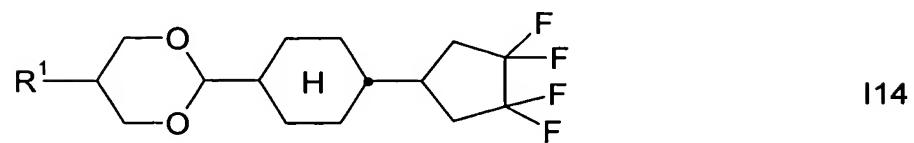
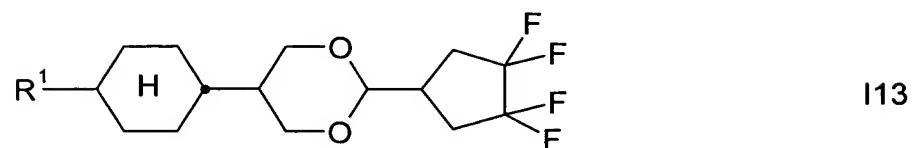
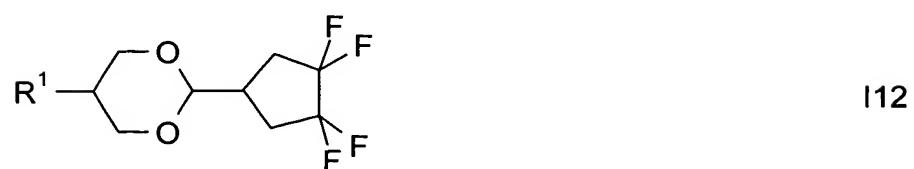
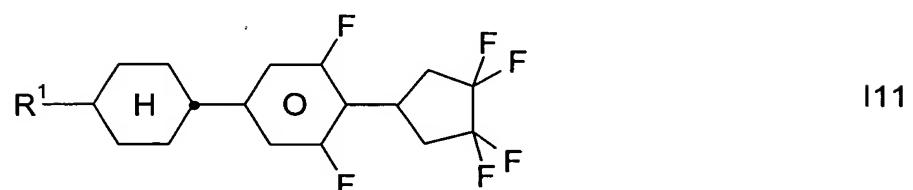
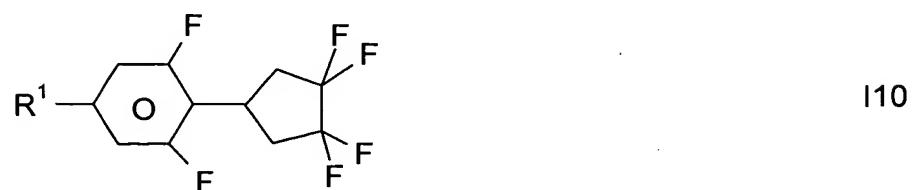
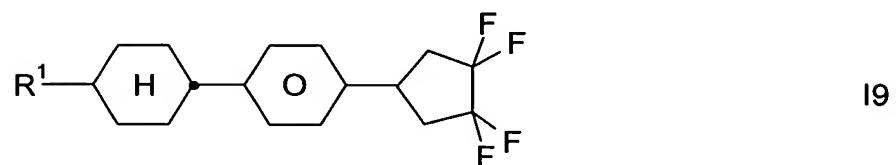
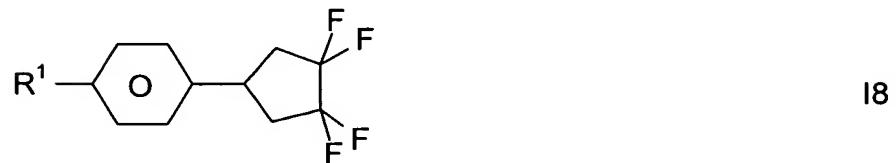
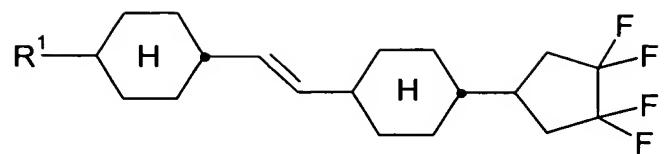
where the radicals (a) to (d) may be substituted by one or more fluorine atoms,

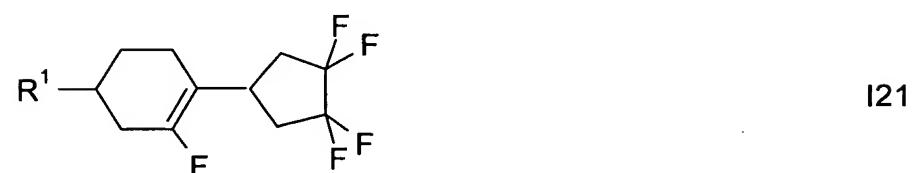
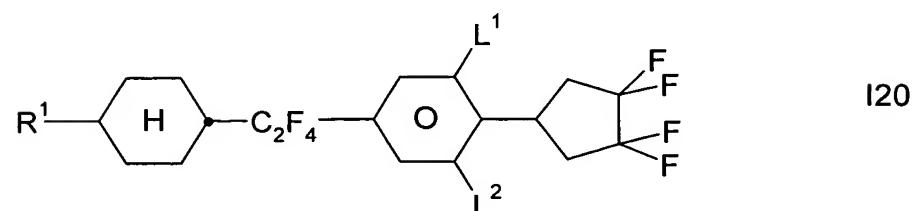
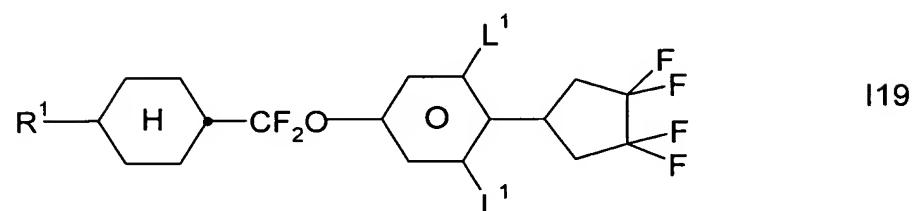
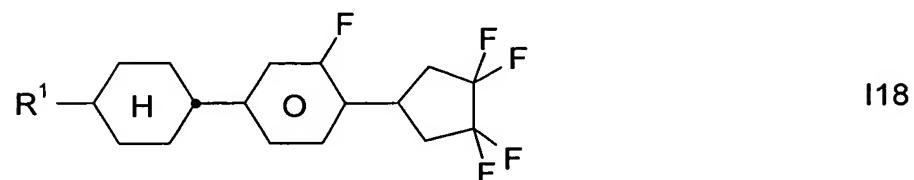
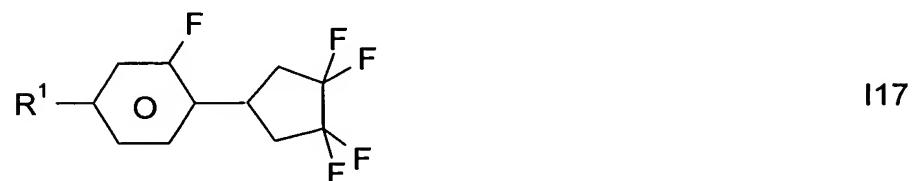
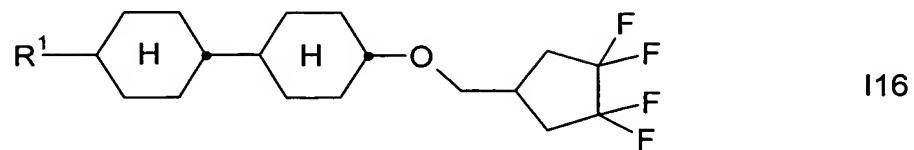
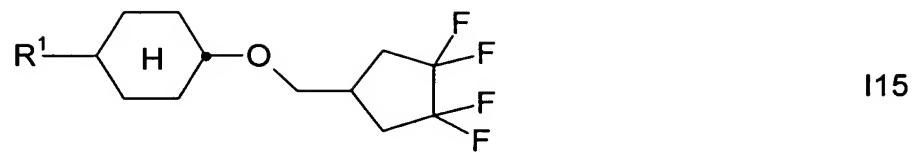
Z^1 and Z^2 are each, independently of one another, -CO-O-, -O-CO-, -CH₂O-, -OCH₂-, -CH₂CH₂-, -CH=CH-, -C≡C-, -(CH₂)₄-, -CF₂O-, -OCF₂-, -C₂F₄-, -CH=CH-CH₂CH₂- or a single bond, and

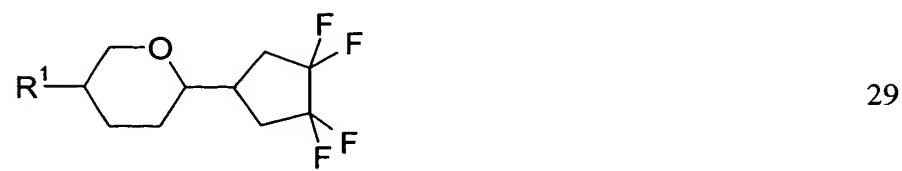
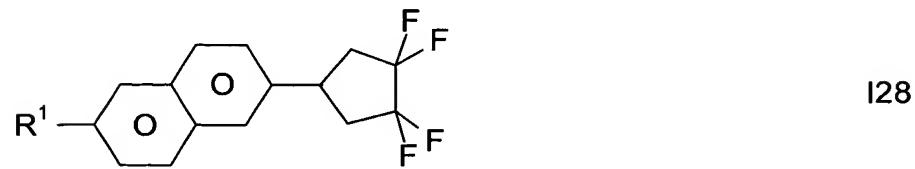
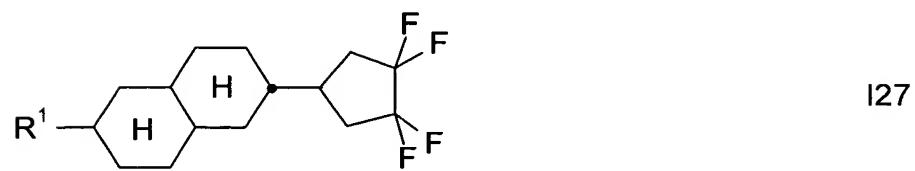
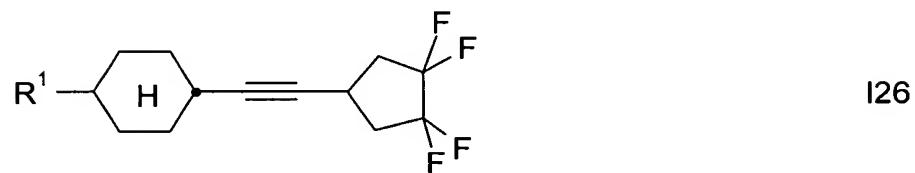
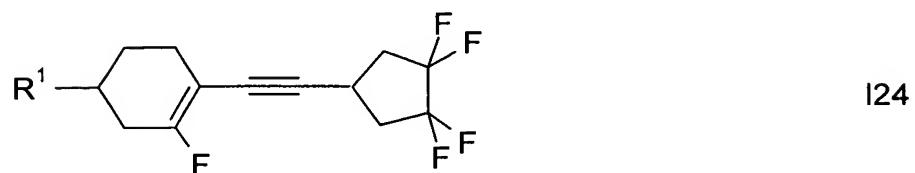
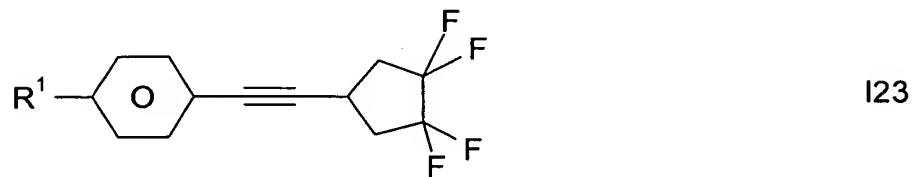
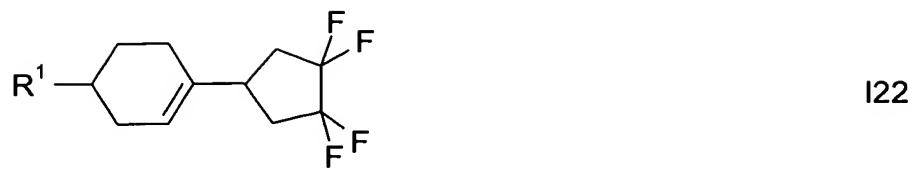
m is 0, 1 or 2.

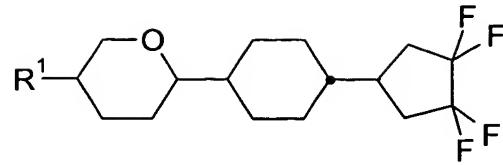
2. (Original) Compounds of the formulae I1-I30











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in which R¹ is as defined in Claim 1, and L¹ and L² are each, independently of one another, H or F.

3. (Currently Amended) Compounds according to Claim 1 or 2, characterised in that R¹ is alkyl, alkoxy, alkenyl or alkenyloxy having up to 7 carbon atoms.
4. (Original) Use of compounds of the formula I as components of liquid-crystalline media.
5. (Original) Liquid-crystalline medium having at least two liquid-crystalline components, characterised in that it comprises at least one compound of the formula I.
6. (Original) Liquid-crystal display element, characterised in that it contains a liquid-crystalline medium according to Claim 5.
7. (Original) Electro-optical display element, characterised in that it contains, as dielectric, a liquid-crystalline medium according to Claim 5.